## I. AMENDMENT

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1-45. (Canceled)

46. (Currently amended) A dyeing composition comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one pearlescent or opacyifying agent chosen from coated or uncoated titanium oxides, mica-titaniums and micas, wherein said cationic tertiary paraphenylenediamine containing a pyrrolidine ring corresponds to formula I:

$$R_3$$
 $R_2$ 
 $R_3$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_3$ 
 $R_2$ 
 $R_3$ 
 $R_2$ 
 $R_3$ 
 $R_2$ 
 $R_3$ 
 $R_2$ 
 $R_3$ 
 $R_3$ 
 $R_2$ 
 $R_3$ 
 $R_3$ 

in which

n varies from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals R<sub>1</sub> may be identical or different,

R<sub>1</sub> represents a halogen atom; a saturated or unsaturated, aliphatic or alicylic, C<sub>1</sub>-C<sub>6</sub>

hydrocarbon chain, it being possible for the chain to contain one or more

oxygen, nitrogen, silicon or sulphur atoms or an SO<sub>2</sub> group, and it being

possible for the chain to be substituted with one or more hydroxyl or amino

radicals; an onium radical Z, the radical R<sub>1</sub> not containing a peroxide bond,

or diazo, nitro or nitroso radicals,

R<sub>2</sub> represents an onium radical Z or a radical –X-C=NR<sub>8</sub>-NR<sub>9</sub>R<sub>10</sub> in which X

represents an oxygen atom or a radical –NR<sub>11</sub> and R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub>

represent a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a C<sub>1</sub>-C<sub>4</sub> hydroxyalkyl radical,

R<sub>3</sub> represents a hydrogen atom or a hydroxyl radical.

- 47. (Canceled)
- 48. (Currently amended) The composition of claim [[2]] 46, wherein the cationic tertiary

$$R_3$$
 $R_2$ 
 $(R_1)_n$ 
 $(R_1)_n$ 

para-phenylenediamine is such that n is equal to 0.

- 49. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that n is equal to 1 and  $R_1$  is chosen from the group consisting of a halogen atom; a saturated or unsaturated, aliphatic or alicylic,  $C_1$ - $C_6$  hydrocarbon chain; it being possible for one or more carbon atoms to be replaced by an oxygen, nitrogen, silicon or sulphur atom, or by an  $SO_2$  group, the radical  $R_1$  not containing a peroxide bond, or diazo, nitro or nitroso radicals.
- 50. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_1$  is chosen from chlorine, bromine,  $C_1$ - $C_4$  alkyl,  $C_1$ - $C_4$  hydroxyalkyl,  $C_1$ - $C_4$  aminoalkyl,  $C_1$ - $C_4$  alkoxy or  $C_1$ - $C_4$  hydroxyalkoxy radicals.
- 51. (Currently amended) The composition of claim [[4]] 50, wherein the cationic tertiary para-phenylenediamine is such that  $R_1$  is chosen from a methyl, hydroxymethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, methoxy, isopropyloxy or 2-hydroxyethoxy radical.

52. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  represents the onium radical Z corresponding to formula (II)

- a. wherein:
- b. D is a single bond of a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals and which may carry one or more ketone functional groups;
- c. R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, taken separately, represent a C<sub>1</sub>-C<sub>15</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> amidoalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical wherein the amine is mono- or disubstituted with a C<sub>1</sub>-C<sub>4</sub> alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; or
- d. R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together, in pairs, form, with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-membered saturated carbon ring which may contain one or more heteroatoms, it being possible for the cationic ring to be substituted with a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxy-alkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl radical, a thio (-SH) radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl (-R-SH) radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical;

- e. R<sub>7</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphinyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkyl radical;
- f. x is 0 or 1,
  - i. (New) when x = 0, then the linking arm is attached to the nitrogen atom carrying the radicals  $R_4$  to  $R_6$ ;
  - ii. (New) when x = 1, then two of the radicals  $R_4$  to  $R_6$  form, together with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-membered saturated ring and D is linked to the carbon atom of the saturated ring; and
- g. Y is a counter-ion.
- 53. (Currently amended) The composition of claim [[6]]  $\underline{51}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  corresponds to formula II wherein x is equal to 0 and  $R_4$ ,  $R_5$  and  $R_6$  separately are preferably chosen from a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_4$  monohydroxyalkyl radical, a  $C_2$ - $C_4$  polyhydroxyalkyl radical, a  $(C_1$ - $C_6)$ alkoxy( $C_1$ - $C_4$ )alkyl radical, a  $C_1$ - $C_6$  amidoalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, or  $R_4$  with  $R_5$  form together an azetidine ring, a pyrrolidine, piperazine or morpholine ring,  $R_6$  being chosen in this case from a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical, an aminoalkyl radical which is mono- or di-substituted with a ( $C_1$ - $C_6$ )alkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$  alkyl carboxy( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$ )alkyl radical.
- 54. (Currently amended) The composition of claim [[6]]  $\underline{51}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  corresponds to formula II wherein x is equal to 1 and  $R_7$  is chosen from a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxy-alkyl

radical; a  $C_1$ - $C_6$  aminoalkyl radical, a  $C_1$ - $C_6$  aminoalkyl radical whose amine is mono- or disubstited with a  $(C_1$ - $C_6$ )alkyl,  $(C_1$ - $C_6$ )alkylcarbonyl, amido or a  $(C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical, a  $tri(C_1$ - $C_6$ )alkylsilane $(C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $C_6$ )alkylcarboxyl $(C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $C_6$ )alkylcarbonyl $(C_1$ - $C_6$ )alkyl radical;  $(C_1$ - $C_6$ )alkylcarbonyl $(C_1$ - $C_6$ )alkyl radical;  $(C_1$ - $C_6$ )alkyl radical;  $(C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $C_6$ )alkyl radical whose amine is mono- or di-substituted with a  $(C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $(C_6)$ alkylsilane $(C_1$ - $(C_6)$ alkyl radical; a  $(C_1$ - $(C_6)$ alkylsilane $(C_1$ - $(C_6)$ alkyl radical; a  $(C_1$ - $(C_6)$ alkylsilane $(C_1$ - $(C_6)$ alkyl radical; a  $(C_$ 

- 55. (Currently amended) The composition of claim [[6]] 51, wherein the cationic tertiary para-phenylenediamine is such that D is a single bond or an alkylene chain which may be substituted.
- 56 (Currently amended) The composition of claim [[6]]  $\underline{51}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  is a trialkylammonium radical.
- 57. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  represents the onium radical Z corresponding to formula III

$$-D \xrightarrow{(R_{10})_x} N \xrightarrow{E} G \xrightarrow{(R_9)_o} Y$$

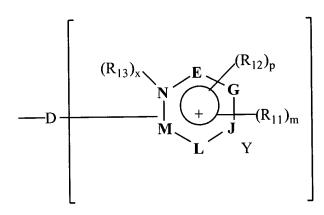
(III)

- h. wherein
- i. D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may carry one or more ketone functional groups;
- j. the vertices E, G, J, L, which are identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a pyrrole, pyrazole, imidazole, triazole, oxazole, isooxazole, thiazole, isothiazole ring;
- k. q is an integer between 0 and 4 inclusive;
- 1. is an integer between 0 and 3 inclusive;
- m. q+o is an integer between 0 and 4;
- n. the radicals R<sub>8</sub>, which are identical or different, represent a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl radical, a thio radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical or a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; it being understood that the radicals R<sub>8</sub> are carried by a carbon atom;
- o. the radicals R<sub>9</sub>, which are identical or different, represent a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a benzyl radical, it being understood that the radicals R<sub>9</sub> are carried by a nitrogen;
- p. R<sub>10</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluoroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl

radical; a  $(C_1-C_6)$ alkylcarboxy $(C_1-C_6)$ alkyl radical; a  $(C_1-C_6)$ alkylsulphonyl $(C_1-C_6)$ alkyl radical; a  $(C_1-C_6)$ alkylsulphonyl $(C_1-C_6)$ alkyl radical; a  $(C_1-C_6)$ alkylcarbonyl $(C_1-C_6)$ alkyl radical; an N- $(C_1-C_6)$ alkylcarbamyl $(C_1-C_6)$ alkyl radical; an N- $(C_1-C_6)$ alkyl radical;

q. x is 0 or 1

- i. (New) when x = 0, the linking arm D is attached to the nitrogen atom,
- ii. (New) when x = 1, the linking arm D is attached to one of the vertices E, G, J or L; and
- r. Y is a counter-ion.
- 58. (Currently amended) The composition of claim [[11]] <u>57</u>, wherein the cationic tertiary para-phenylenediamine is such that the vertices E, G, J and L form an imidazole ring.
- 59. (Currently amended) The composition of claim [[11]] <u>57</u>, wherein the cationic tertiary para-phenylenediamine is such that x is equal to 0, D is a single bond or an alkylene chain which may be substituted.
- 60. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  represents an onium radical Z corresponding to formula IV



(IV)

b. wherein:

- c. D is a single bond or a linear or branched C1-C14 alkylene chain which may contain one or more heteroatoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C1-C6 alkoxy or amino radicals, and which may carry one or more ketone functional groups;
- d. the vertices E, G, J, L and M, which are identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a ring chosen from the pyridine, pyrimidine, pyrazine, triazine and pyridazine rings;
- e. p is an integer between 0 and 3 inclusive;
- f. m is an integer between 0 and 5 inclusive;
- g. p+m is an integer between 0 and 5;
- h. the radicals R<sub>11</sub>, which are identical or different, represent a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl radical, a thio radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical which is substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical or a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, it being understood that the radicals R<sub>11</sub> are carried by a carbon atom;
- i. the radicals R12, which are identical or different, represent a C1-C6 alkyl radical, a C1-C6 monohydroxyalkyl radical, a C2-C6 polyhydroxyalkyl radical, a tri(C1-C6)alkylsilane(C1-C6)alkyl radical, a (C1-C6)alkoxy(C1-C6)alkyl radical, a C1-C6 carbamylalkyl radical, a (C1-C6)alkylcarboxy(C1-C6)alkyl radical, a benzyl radical, it being understood that the radicals R12 are carried by a nitrogen;
- j. R13 represents a C1-C6 alkyl radical; a C1-C6 monohydroxyalkyl radical; a C2-C6 polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C1-C6 aminoalkyl radical, a C1-C6 aminoalkyl radical whose amine is mono- or disubstituted with a (C1-C6)alkyl, (C1-C6)alkylcarbonyl, amido or (C1-C6)alkylsulphonyl radical; a C1-C6 carboxyalkyl radical; a C1-C6 carbamylalkyl radical; a C1-C6 trifluoroalkyl radical; a tri(C1-C6)alkylsilane(C1-C6)alkyl

radical; a  $C_1$ - $C_6$  sulphonamidoalkyl radical; a  $(C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a  $(C_1$ - $C_6$ )alkylcarbonyl( $C_1$ - $C_6$ )alkyl radical; an N- $(C_1$ - $C_6$ )alkylcarbonamido( $C_1$ - $C_6$ )alkyl radical; an N- $(C_1$ - $C_6$ )alkylsulphonamido( $C_1$ - $C_6$ )alkyl radical;

## k. x is 0 or 1

- i. (New) when x = 0, the linking arm D is attached to the nitrogen atom,
- ii. (New) when x = 1, the linking arm D is attached to one of the vertices E,
- G, J, L or M; and
- 1. Y is a counter-ion.
- 61. (Currently amended) The composition of claim [[14]] <u>60</u>, wherein the vertices E, G, J, L and M form, with the nitrogen of the ring, a ring chosen from pyridine and pyrimidine rings.
- 62. (Currently amended) The composition of claim [[14]] <u>60</u>, wherein the cationic tertiary para-phenylenediamine is such that x is equal to 0 and  $R_{11}$  is chosen from a hydroxyl radical, a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di-substituted with a ( $C_1$ - $C_6$ )alkyl, a ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical and  $C_1$ - $C_6$  is chosen from a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_1$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a  $C_1$ - $C_6$  carbamylalkyl radical.
- 63. (Currently amended) The composition of claim [[14]] <u>60</u>, wherein the cationic tertiary para-phenylenediamine is such that x is equal to 1 and R<sub>13</sub> is chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl radical, an amido radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; R<sub>11</sub> is chosen from a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy

radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, an amino radical, an amino radical which is mono- or di- substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; and  $R_{12}$  is chosen from a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a ( $C_1$ - $C_6$ )alkyl radical, a  $C_1$ - $C_6$  carbamylalkyl radical.

- 64. (Currently amended) The composition of claim [[14]]  $\underline{60}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_{11}$ ,  $R_{12}$  and  $R_{13}$  are alkyl radicals which may be substituted.
- 65. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that the radical  $R_2$  is the radical of formula -XP(O)(O-)  $OCH_2CH_2N^+(CH_3)_3$  where X represents an oxygen atom or a radical -NR<sub>14</sub>, R<sub>14</sub> representing a hydrogen, a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a hydroxyalkyl radical.
- 66. (Currently amended) The composition of claim [[2]]  $\underline{46}$ , wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  is a guanidine radical of formula -X-C=NR<sub>8</sub>-NR<sub>9</sub>R<sub>10</sub>, X represents an oxygen atom or a radical  $-NR_{11}$ ,  $R_8$ ,  $R_9$ ,  $R_{10}$  and  $R_{11}$  representing a hydrogen, a  $C_1$ - $C_4$  alkyl radical or a hydroxyalkyl radical.
- 67. (Currently amended) The composition of claim [[1]] 46, wherein the cationic tertiary para-phenylene is chosen from the group consisting of
  - a. [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride,
  - b. [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide
  - c. N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl-guanidinium chloride
  - d. N-[1-(4-Aminophenyl)pyrrolidin-3-yl]guanidinium chloride
  - e. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
  - f. [1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride
  - g. [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropyl)ammonium chloride

- h. [1-(4-Aminophenyl)pyrrolidin-3-yl]-(trimethylammoniumhexyl)dimethylammonium dichloride
- i. [1-(4-Aminophenyl)pyrrolidin-3-yl]oxophosphorylcholine
- j. {2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride
- k. 1-{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpyrrolidinium chloride
- 1. 3-{3-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride
- m. 1-{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpiperidinium chloride
- n. 3-{3-[1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-um chloride
- o. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethyammonium chloride
- p. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride
- q. N'-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethylguanidinium chloride
- r. N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]guanidinium chloride
- s. 3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
- t. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride
- u. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropylammonium chloride
- v. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-(trimethylammoniumhexyldimethylammonium dichloride
- w. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]oxophosphorylcholine
- x. {2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}trimethylammonium chloride

- y. 1-{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpyrrolidinium chloride
- z. 3-{3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]-propyl}1-methyl-3H-imidazol-1-um chloride
- aa. 1-{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpiperidinium chloride
- bb. [1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]trimethylammonium chloride
- cc. 3-[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
- dd. 3-{3-[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-um chloride
- ee. [1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]trimethylammonium chloride
- ff. 3-[1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
- gg. 1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride
- hh. 1'-(4-Amino-3-methylphenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride
- ii. 3-{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
- jj. 3-{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
- kk. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride
- ll. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride
- mm. [1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
- nn. [1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
- oo. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide,
- pp. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
- qq. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate

- rr. [1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
- ss. [1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
- tt. [1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
- uu. [1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
- vv. [1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
- ww. [1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
- xx. [1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide
- yy. [1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride
- zz. [1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium iodide.
- 68. (Currently amended) The composition of claim [[1]] 46, wherein the cationic tertiary para-phenylene is chosen from the group consisting of
  - a. [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride;
  - b. [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide;
  - c. N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethylguanidinium chloride
  - d. N-[1-(4-Aminophenyl)pyrrolidin-3-yl]guanidinium chloride
  - e. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride;
  - f. [1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride
  - g. [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethyl-silanylpropyl)ammonium chloride;
  - h. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride
  - i. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride
  - j. N'-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethylguanidinium chloride
  - k. N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]guanidinium chloride
  - 1. 3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
  - m. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride

- n. [1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropylammonium chloride
- o. 1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride
- p. 1'-(4-Amino-3-methylphenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride
- q. 3-{[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride
- r. 3-{[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H- imidazol-1-ium chloride
- s. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride
- t. 3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanyl-propyl)-3H-imidazol-1-ium chloride
- u. [1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
- v. [1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
- w. [1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide,
- x. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
- y. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
- z. [1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
- aa. [1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
- bb. [1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
- cc. [1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
- dd. [1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
- ee. [1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
- ff. [1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide
- gg. [1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride
- hh. [1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium iodide.
- 69. (Currently amended) The composition of claim [[1]] 46, wherein the cationic tertiary para-phenylene is chosen from the group consisting of
  - a. [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride
  - b. [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide

- c. N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethylguanidinium chloride
- d. N-[1-(4-Aminophenyl)pyrrolidin-3-yl]guanidinium chloride
- e. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
- f. [1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride
- g. [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl-(3-trimethylsilanylpropyl)ammonium chloride
- h. [1-(4-Aminophenyl)pyrrolidin-3-yl]-(trimethylammonium-hexyl)dimethylammonium dichloride
- i. 1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride
- j. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride
- k. 3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride
- 1. [1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride
- m. [1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide
- n. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide,
- o. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide
- p. [1-(4-aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate
- q. [1-(4-aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide
- r. [1-(4-aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide
- s. [1-(4-aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide
- t. [1-(4-aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide
- u. [1-(4-aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide
- v. [1-(4-aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide
- w. [1-(4-aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide
- x. [1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride
- y. [1-(4-aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium iodide.
- 70. (Currently amended) The composition of claim [[1]] <u>46</u>, wherein the cationic tertiary para-phenylene is chosen from the group consisting of

- a. [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride
- b. 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride
- c. [1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride
- d. 1'-(4-Aminophenyl)-1-methyl-[1,3']bipyrrolidinyl-1-ium chloride.
- 71. (Currently amended) The composition of claim [[1]] <u>46</u>, wherein the cationic tertiary para-phenylene is chosen from the group consisting of [1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride, and [1-(4-Aminophenyl)pyrrolidin-3-yl]-(2-hydroxyethyl)dimethylammonium chloride.
- 72. (Currently amended) The composition of claim [[1]] <u>46</u>, wherein the pearlescent or opacifying agent is an uncoated titanium oxide in powdered form.
- 73. (Currently amended) The composition of claim [[27]] 72, wherein the pearlescent or opacifying agent is an uncoated titanium oxide in the form of an aqueous dispersion of at least 10%, 20 or 30% by weight of titanium oxide relative to the total weight of the aqueous dispersion and having a particle size equal to 15[[, 20 or]] to 60 nanometers.
- 74. (Currently amended) The composition of claim [[1]] <u>46</u>, wherein the pearlescent or opacifying agent is a titanium oxide coated with a material chosen from polydimethylsiloxane, polymethylhydrogenosiloxane, perfluoropolymethyl isopropyl ether, silica, teflon, polyester, chitosan, N-lauryl-L-lysine.
- 75. (Currently amended) The composition of claim [[1]] <u>46</u>, wherein the titanium oxide has a particle size of between 2 and 500 nanometers.
- 76. (Currently amended) The composition of claim [[29]] <u>75</u>, wherein the titanium oxide has a particle size of between 2 and 300 nanometers.
- 77. (Currently amended) The composition of claim [[30]] <u>76</u>, wherein the titanium oxide has a particle size of between 2 and 50 nanometers.

- 78. (Currently amended) The composition of claim [[1]] 46, wherein the cationic tertiary para-phenylenediamine(s) having a pyrrolidine ring represent from 0.001 to 10% by weight relative to the total weight of the composition.
- 79. (Currently amended) The composition of claim [[32]] <u>78</u>, wherein the cationic tertiary para-phenylenediamine(s) having a pyrrolidine ring represent from 0.005 to 6% by weight relative to the total weight of the composition.
- 80. (Currently amended) The composition of claim [[1]] 46, wherein the pearlescent or opacifying agent or agents represent from 0.05% to 2% by weight relative to the total weight of the composition.
- 81. (Currently amended) The composition of claim [[34]] <u>80</u>, wherein the pearlescent or opacifying agent or agents represent from 0.1% to 1% by weight relative to the total weight of the composition.
- 82. (Currently amended) The composition of claim [[1]] <u>46</u>, further comprising at least one cationic polymer.
- 83. (Currently amended) The composition of claim [[1]] 46, further comprising at least one thickening polymer.
- 84. (Currently amended) The composition of claim [[1]] <u>46</u>, further comprising at least one surfactant chosen from the group consisting of anionic surfactants, amphoteric or zwitterionic surfactants, nonionic surfactants and cationic surfactants.
- 85. (Currently amended) The composition of claim [[1]] 46, comprising at least one additional oxidation base other than cationic tertiary para-phenylenediamines having a pyrrolidine ring chosen from para-phenylenediamines, bis-phenylalkylenediamines, para-aminophenols, orthoaminophenols, heterocyclic bases and their addition salts.
- 86. (Currently amended) The composition of claim [[36]] <u>85</u>, wherein the additional oxidation base(s) are present in a quantity of between 0.001 to 20% by weight relative to the total weight of the composition.

- 87. (Currently amended) The composition of claim [[37]] <u>86</u>, wherein the additional oxidation base(s) are present in a quantity of between 0.005 and 6% by weight relative to the total weight of the composition.
- 88. (Currently amended) The composition of claim [[1]] <u>46</u>, further comprising at least one coupler chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, naphthalene couplers, heterocyclic couplers and their addition salts.
- 89. (Currently amended) The composition of claim [[42]] <u>88</u>, wherein the coupler is chosen from 1,3-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 4-chloro-1,3-dihydroxybenzene, 2,4-diamino-1-(β-hydroxyethyloxy)benzene, 2-amino-4-(β-hydroxyethylamino)-1-methoxybenzene, 1,3-diaminobenzene, 1,3-bis(2,4-diaminophenoxy)propane, 3-ureidoaniline, 3-ureido-1-dimethylaminobenzene, sesamol, 1-β-hydroxyethylamino-3,4-methylenedioxybenzene, α-naphthol, 2-methyl-1-naphthol, 6-hydroxyindole, 4-hydroxyindole, 4-hydroxy-N-methylindole, 2-amino-3-hydroxypyridine, 6-hydroxybenzomorpholine, 3,5-diamino-2,6-dimethoxypyridine, 1-N-(β-hydroxyethyl)amino-3,4-methylenedioxybenzene, 2,6-bis(β-hydroxyethylamino)toluene and their addition salts.
- 90. (Currently amended) The composition of claim [[42]] <u>89</u>, wherein the coupler(s) are present in a quantity of between 0.001 and 20%, preferably between 0.005 and 6% by weight relative to the total weight of the composition.
- 91. (Currently amended) The composition of claim [[42]] <u>90</u>, wherein the coupler(s) are present in a quantity of between 0.005 and 6% by weight relative to the total weight of the composition.
- 92. (Currently amended) The composition of claim [[1]] <u>46</u>, further comprising at least one direct dye.
- 93. (Currently amended) The composition of claim [[1]] <u>46</u>, further comprising at least one hydroxylated solvent such as ethanol, propylene glycol, glycerol, polyol monoethers.

- 94. (Currently amended) The composition of claim [[1]] 46, further comprising an oxidizing agent chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, peracids and oxidase enzymes.
- 95. (Currently amended) The composition of claim [[48]] <u>94</u>, wherein the oxidizing agent is hydrogen peroxide.
- 96. (Previously presented) A method for the oxidation dyeing of keratinous fibres, wherein a dyeing composition comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one pearlescent or opacyifying agent chosen from coated or uncoated titanium oxides, mica-titaniums and micas, is applied to the fibres in the presence of an oxidizing agent.
- 97. (Previously presented) A multicompartment device wherein the first compartment contains a dyeing composition comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one pearlescent or opacyifying agent chosen from coated or uncoated titanium oxides, mica-titaniums and micas, and a second compartment contains an oxidizing agent.
- 98. (New) A dyeing composition comprising, in an appropriate dyeing medium, at least one cationic tertiary para-phenylenediamine containing a pyrrolidine ring, and at least one pearlescent or opacyifying agent chosen from coated or uncoated titanium oxides, mica-titaniums and micas, wherein said cationic tertiary paraphenylenediamine containing a pyrrolidine ring corresponds to formula I:

$$R_3$$
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
 $R_2$ 
 $R_1$ 
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 $R_3$ 
 $R_3$ 
 $R_2$ 
 $R_3$ 
 $R_3$ 

in which

n varies from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals  $R_1$  may be identical or different,

 $R_1$  represents a halogen atom; a saturated or unsaturated, aliphatic or alicylic,  $C_1$ - $C_6$  hydrocarbon chain, it being possible for the chain to contain one or more oxygen, nitrogen, silicon or sulphur atoms or an  $SO_2$  group, and it being possible for the chain to be substituted with one or more hydroxyl or amino radicals; an onium radical Z, the radical  $R_1$  not containing a peroxide bond, or diazo, nitro or nitroso radicals,

R<sub>3</sub> represents a hydrogen atom or a hydroxyl radical;

R<sub>2</sub> represents an onium radical Z selected from formula (II), formula (III) or formula (IV), wherein formula (II) corresponds to:

$$\begin{array}{c|c}
 & R4 \\
 & R5 \\
 & R6 \\
 & Y
\end{array}$$
(II)

in which

D is a single bond of a linear or branched  $C_1$ - $C_{14}$  alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and

- which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals and which may carry one or more ketone functional groups;
- $R_4$ ,  $R_5$  and  $R_6$ , taken separately, represent a  $C_1$ - $C_{15}$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; a  $(C_1$ - $C_6)$ alkoxy( $C_1$ - $C_6$ )alkyl radical; an aryl radical; a benzyl radical; a  $C_1$ - $C_6$  amidoalkyl radical; a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical in which the amine is monoor di-substituted with a  $C_1$ - $C_4$  alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; or
- R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together, in pairs, form, with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-membered saturated carbon ring which may contain one or more heteroatoms, it being possible for the cationic ring to be substituted with a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl radical, a thio (-SH) radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl (-R-SH) radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical;
- R<sub>7</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or disubstituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphinyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkyl-radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkyl radical;

x is 0 or 1,

when x=0, then the linking arm is attached to the nitrogen atom carrying the radicals  $R_4$  to  $R_6$ , with the proviso that when the linking arm D is a covalent bond then  $R_4$  is chosen from or an aryl radical; a benzyl radical; a  $C_1$ - $C_6$  amidoalkyl radical; a  $tri(C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical in which the amine is monoor di-substituted with a  $C_1$ - $C_4$  alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; or;

when x = 1, then two of the radicals  $R_4$  to  $R_6$  form, together with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-membered saturated ring and D is linked to the carbon atom of the saturated ring;

Y is a counter-ion; and formula (III) corresponds to:

in which

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from oxygen, sulphur or nitrogen, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may carry one or more ketone functional groups;

the vertices E, G, J, L, which are identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a pyrrole, pyrazole, imidazole, triazole, oxazole, isooxazole, thiazole, isothiazole ring,

q is an integer between 0 and 4 inclusive;

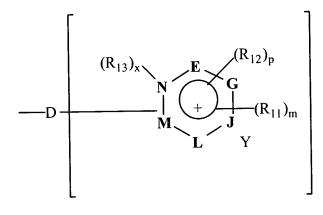
o is an integer between 0 and 3 inclusive;

q+o is an integer between 0 and 4;

- the radicals R<sub>8</sub>, which are identical or different, represent a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl radical, a thio radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical which is mono- or di-substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical or a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; it being understood that the radicals R<sub>8</sub> are carried by a carbon atom,
- the radicals R<sub>9</sub>, which are identical or different, represent a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a benzyl radical; it being understood that the radicals R<sub>9</sub> are carried by a nitrogen,
- R<sub>10</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is substituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluoroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkyl radical;

x is 0 or 1

when x = 0, the linking arm D is attached to the nitrogen atom,
when x = 1, the linking arm D is attached to one of the vertices E, G, J or L,
Y is a counter-ion;
and formula (IV) corresponds to:



(IV)

in which:

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may contain one or more heteroatoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may carry one or more ketone functional groups; the vertices E, G, J, L and M, which are identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a ring chosen from the pyridine, pyrimidine, pyrazine, triazine and pyridazine rings;

p is an integer between 0 and 3 inclusive;

m is an integer between 0 and 5 inclusive;

p+m is an integer between 0 and 5;

the radicals  $R_{11}$ , which are identical or different, represent a halogen atom, a hydroxyl radical, a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a  $C_1$ - $C_6$  alkoxy radical, a tri( $C_1$ -

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 $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a carboxyl radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, a thio radical, a  $C_1$ - $C_6$  thioalkyl radical, a ( $C_1$ - $C_6$ )alkylthio radical, an amino radical, an amino radical which is substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical or a  $C_2$ - $C_6$  polyhydroxyalkyl radical; it being understood that the radicals  $R_{11}$  are carried by a carbon atom,

the radicals  $R_{12}$ , which are identical or different, represent a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a ( $C_1$ - $C_6$ )alkoxy( $C_1$ - $C_6$ )alkyl radical, a  $C_1$ - $C_6$  carbamylalkyl radical, a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical, a benzyl radical; it being understood that the radicals  $R_{12}$  are carried by a nitrogen,

R<sub>13</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical whose amine is mono- or disubstituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluoroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylsulphonamido(C<sub>1</sub>-C<sub>6</sub>)alkyl radical;

x is 0 or 1

when x = 0, the linking arm D is attached to the nitrogen atom, when x = 1, the linking arm D is attached to one of the vertices E, G, J, L or M,

Y is a counter-ion.